

FALKAY, L.

"Open Letter", p. 6

"P.P. Polusukhin's Egy ejtoernyos sportolo feljegyzései (Notes of a Parachutist-Sportsman), p. 6 (REPULWS, Vol. ?, no. ?, Feb. 1954, Budapest, Hungary).

Source: Monthly List of East European Accessions, LC, Vol. ?, no. 5, May 1954/Uncl.

FALKAY, L.

"Parachute Jumps Combined With Other Tasks," p. 7, (REPULES, Vol. 7,  
No. 14, July 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 3, No. 12,  
Dec. 1954, Uncl.

FALKENBURG, E.A.

USSR/General Biology, Genetics.

B-5

Abs Jour: Ref. Zh.-Biol., No 9, 1957, 35193

Author : Bystrov, B.A., Pavlova, A.P., Falkenburg, E.A.

Inst :

Title : The Quality of Fecundation and the Intensity of the Assimilation  
and Respiration Processes in Pumpkin and Sunflower Plants

Orig Pub: Fiziol. rasteniy, 1956, 3, No 3, 185-190

Abstract: The intensity of the respiration and photosynthesis of inbred plants of pumpkin and sunflower and mixed variety hybrids was studied. Pumpkins of the Mozolevskaya type and sunflowers of the Fuksin 10 type served in the capacity of the inbred plants, having multiplied by means of self fertilization in the course of several generations. Hybrids of pumpkins were gotten as the result of fertilizing plants of the Mozolevskaya type with a mixture of pollen taken from the Grey Volga and Astrakhan types. Hybrids of sunflower were gotten by fertilizing plants of the

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USSR/General Biology, Genetics.

B-5

Abs Jour: Ref. Zh.-Biol., No 9, 1957, 35193

Fuksink 10 type with the Chernianka 35 type. The hybrids of both types in capacity of development surpassed the plants of the inbred line. It was shown that the intensity of respiration was higher in plants of the inbred line, and that photosynthesis was higher in the hybrids. The excess of the photosynthesis of carbon over its expenditure during the respiration of hybrids was expressed more strongly. The materials were not worked out biometrically and it is therefore difficult to judge on their trustworthiness.

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-3-

L 13087-66 EWT(1)/EWA(j)/EWA(b)-2 RO  
ACC NR: AP6001292

SOURCE CODE: UR/0197/65/000/008/0129/0137

AUTHOR: Vanag, G. (deceased); Fal'kenshteyn, B.; Yershova, I.  
(deceased); Yegorova, L.; Osipova, V.

ORG: Institute of Organic Synthesis of the AN Latvian SSR  
(Institut organicheskogo sinteza AN Latv. SSR)

TITLE: Study findings on the rodenticidal effects of the 1,3-indandione  
*G,44,5\**

SOURCE: AN LatSSR. Izvestiya, no. 8, 1965, 129-137

TOPIC TAGS: experiment animal, pesticide, aromatic hydrocarbon, ketone

ABSTRACT: Since 1955 the rodenticidal effect of one hundred 1,3-indandione derivatives has been studied in tests on adult gray and albino rats. For a 5 to 10 day period the experimental groups of animals were fed rations divided into two parts: one part "poisoned" with the derivative under study and the other part left pure. Daily consumption of poisoned and nonpoisoned food was determined for each animal and also any pathological changes, particularly symptoms of bleeding, were noted. Rodenticide effectiveness was based on the percentage of animals killed. A group of 10 experimental animals was used in each series, with

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ACC NR: AP6001292

concentrations of derivatives ranging from 0.05 to 0.025% in relation to weight of food ration. Animals were observed for 2 weeks following the 5 to 10 day period. Findings show that about 90 of the one hundred 1,3-indandione derivatives tested do not display rodenticidal activity. Daily consumption of foods containing these derivatives did not produce pathological symptoms nor did animals die with cumulative doses. The remaining ten derivatives displayed certain toxic properties with diphenazine as the active ingredient and ratindane-2 with phentolacine as the active ingredient appear to be the most promising rodenticides of all the 1,3-indandione derivatives tested. Orig. art. has: 6 tables.

SUB CODE: 06, 02 / SUBM DATE: 30Mar65 / ORIG REF: 011 / OTH REF: 000

Card 2/2 HW

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412410012-6

Rodent survey and control measures  
Leningrad 1933 46 p.  
maps

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412410012-6"

New poisons in the control of rodents. D. Xu, Palkenmeyer, Plant Protection (U. S. S. R.) 1939, No. 100, p. 151—Lab. and field expts. with BaAsO<sub>4</sub> and Ba<sub>2</sub>NaAsO<sub>4</sub>, for exterminating *Microtus arcticus* Pall showed that they are considerably more effective than Na<sub>2</sub>AsO<sub>4</sub>. W. B. Horn

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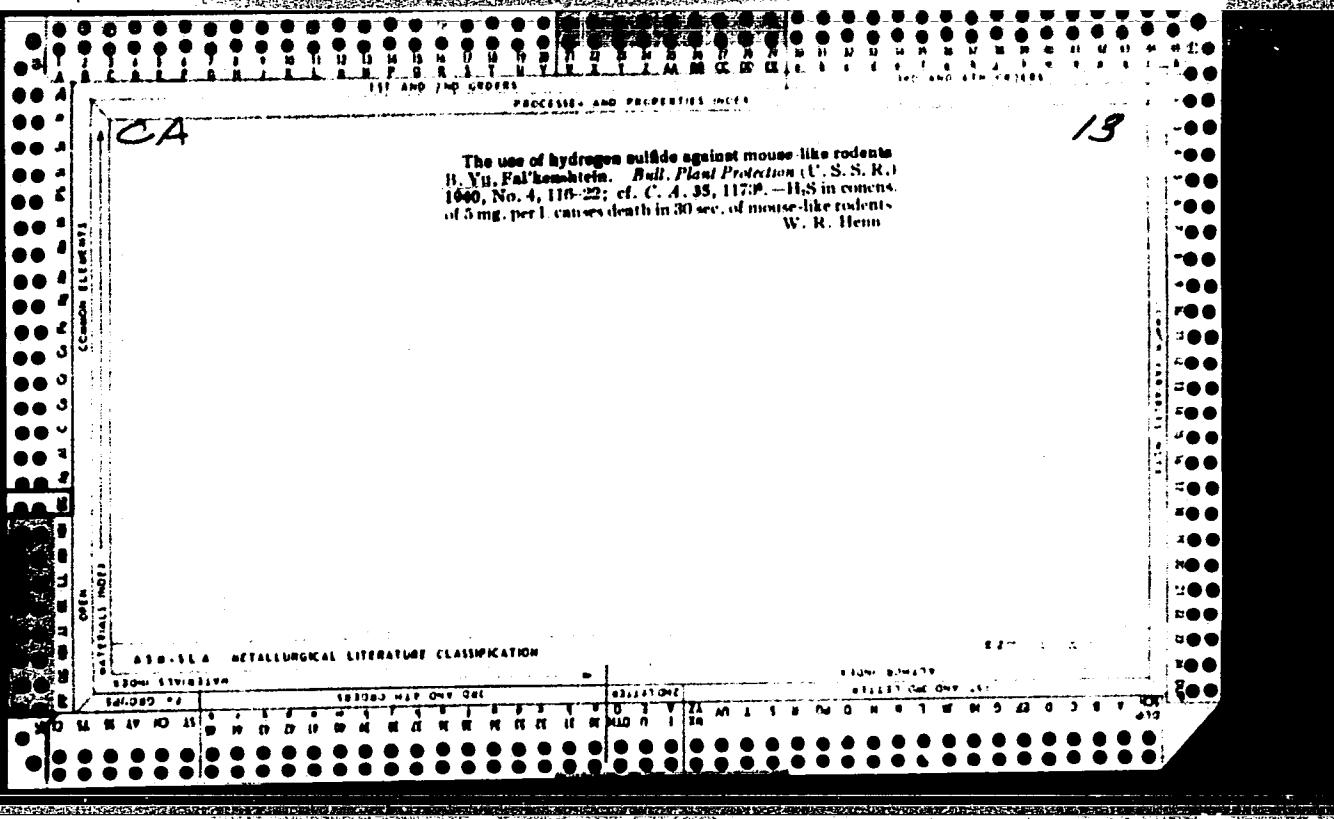
**APPROVED FOR RELEASE: 03/13/2001**

CIA-RDP86-00513R000412410012-6"

CA

15

Experiments with barium arsenate for the control of mouse-like rodents. B. Yu. Pal'bergichuk. *Plant Protection* (U. S. S. R.) 1950, No. 11, 39 (in English, 30) p. 71. preceding abstract.—Ba(AsO<sub>4</sub>)<sub>2</sub> and BaNaAsO<sub>4</sub> were used under field and lab. conditions for the control of meadow mice (*Microtus arvalis* Pall.). When used in bread, paste or pills these substances are much more poisonous than are the commonly used baits with Na<sub>2</sub>AsO<sub>4</sub>. The lethal dose for meadow mice is 0.02-0.003 g. Small pills made from 5 g. of wheat flour, 50% of bran, 1 part of sugar and 1 part of poison are recommended. The av. wt. of a pill is 0.02 g. and the amt. of the poison in it is about 0.003 g.; 5 pills are placed in each burrow. This poison is more readily taken in baits, is less poisonous to other animals and is much less expensive than commonly used poisons. W. R. Henn



"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412410012-6

PAL'KINSHTEYN, B.Yu., doktor sel'skokhozyaystvennykh nauk; MOKEYEVA, T.M.

Prospects for flooding burrows with enteric poisons in controlling  
murine rodents. Trudy VIZR no.1:186-190 '48.  
(Rodent control) (MIRA 11:7)

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CIA-RDP86-00513R000412410012-6"

Fal'kenshteyn, B. Yu.

Fal'kenshteyn, B. Yu. - "The defensive behavior of destructive rodents," Yestestvoznanie v shkole, 1948, No. 6, p. 35-42

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

"The Role of the Olfactory Receptor in the Feeding Modus of *Mycetophila* and *Pip* (both of the Kerriidae Family)." (p. 416) by Yevshova, I. P., & Fedorov, B. J.

SO: Journal of General Biology. Contents of Vol. IX, No. 5 (Issues 1-6 for 1948).

Lab. Zoology, Inst. Plant Protection  
USSR Acad Agric Sci im V. I. Lenin,

FAL'KENGTEYN, B. Yu., CHIBAREV, G. A., REY-BIYENKO, G. Ya., BOGDANOV-KARLOV, N. N.  
and SHCHEGOLOV, V. N.

"Agricultural Entomology," Ogiz-Sel'khozgiz, Moscow-Leningrad, 1949.

FAL'KENSHTEYN, B. Yu.

25643. FAL'KENSHTEYN, B. Yu. Bor'ba s grysunami i estestvennyy otbor. (Evolyutsionnofiziolog. fragmenty teorii bor'by s vrednymi pozvonochnymi). Trudy Vsesoyuz. in-ta zashchity rasteniy, vyp.2, 1949, 2. 131-42. --- Bibliogr: 12 naazu.

SO: Letopis' Zhurnal' Mykh Statey, Vol. 34, Mosskva, 1949.

F 11-12-96-1-1-2 iv  
FAL'KENSHEYN, B. Yu.

25643 FAL'KENSHEYN, B. Yu. Bor'ba s qryzunari i  
estestvennyy otbor. ( Evolyutsionno-fiziol. fragmenty teorii  
bor'by s vrednymi pozvonochnymi) Trudy Vsesoyuz. in-ta zashchity  
rasteniy, vyp. 3, 1949, s. 131-42.--Bibliogr: 12 nazv.

So: Letopis' Zhurnal'nykh Statey, Vol. 34, "oskva, 1949

FALKENSTEIN, B. YU.

"The Sight of Wild Rodents and Its Effect on Their Search for Food." (p. 296)  
by Ershova, I. P. and Falkenstein, B. Yu.

SO: Journal of General Biology XII (Zhurnal Obshchey Biologii) Vol. XII, No.4, 1951.

1. FAL'KENSHTEYN, B. (Yu.)
2. USSR (600)
4. Rodentia
7. New methods for rodent control. Kolkh.proiz,12. no.12 1952
9. Monthly List of Russian Accessions, Library of Congress, March,1953.Unclassified.

FALKENSHTEIN, B. Yu.

1A 2 12

USSR/Biology - Conditioned Reflexes Nov/Dec 52

"The Teachings of I. P. Pavlov on the Higher Nervous Activity in Animals, and the Problem of a Fight Against Predatory Vertebrates," B. Yu. Falkenstein, Inst of Plant Protection, All-Union Order of Lenin Acad of Agric Sci imeni V. I. Lenin

Zhur Obshch Biol, Vol 13, No 6, pp 435-444

A lengthy discussion of observations on factors inducing the predatory rodents to disregard poisoned bait. Describes expts which established hygroception, and conditioned reflexes in rodents,

caused by the specific odor of poisonous agents, signalling danger to the central nervous system of these animals.

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FAL'KENSHTEYN, B. Yu.

"The So-Called Theoretic Difference of Opinion on the Role of Olfactory  
Receptors in Rodents," Zool. zhur., 31, No.1, 1952

VAL'KENSHTEYN, B.Yu.

Studies on analysor functions in harmful rodents for development of a  
method of their eradication. Usp. sovrem. biol. 35 no.1:123-133 Jan-  
Feb 1953.  
(CLML 24:3)

1. Leningrad.

FAL'KENSHTEYN, B.Yu., doktor sel'skokhozyaystvennykh nauk

Behavior of susliks in the search for food and their control  
in forest plantations. Trudy VIZR no.6:151-164 '54.

(MIRA 11:7)

(Susliks)

FAL'KENSHTEYN, B.Yu., doktor sel'skokhozyaystvennykh nauk

Suslik control plan for steppe silviculture. Trudy VIZR no.6:  
165-173 '54. (MIRA 11:7)  
(Susliks) (Rodent control)

FAL'KENSHTEYN, B. Yu.

Physiological and toxicological principles and prospects of mechanized mass distribution of poison baits in controlling susliks. Trudy prob. i tem.sov. no.5:66-67 '55. (MLRA 8:12)

1. Vsesoyuznyy institut zashchity rasteniy, Vsesoyuznaya akademiya Sel'skokhozyaystvennykh nauk imeni Lenina  
(Susliks) (Pesticides)

FAL'KINSHTEYN, B.Yu., prof.; YMRSHOVA, I.P., kand.biol.nauk

Some new reticides. Gig. i senn. 22 no.11:96 N '57. (MIRA 11:1)

1. Iz Vsesoyuznogo instituta zashchity rasteniy Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina.  
(RATS,  
reticides (Rus))

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CIA-RDP86-00513R000412410012-6

PAL'KENSHTEYN, B.Yu., prof.; YERSHOVA, I.P., kand.biol.nauk

New rodenticides. Zashch. rast. ot vred. i bol. 3 no.1:28 Ja-Y '58.  
(Susliks) (Rodenticides) (MIRA 11:3)

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CIA-RDP86-00513R000412410012-6"

FAL'KENSHTEYN, B.Yu., doktor biolog.nauk

Questions and answers. Zashch.rast.ot vred.i bol. 7 no.6:42  
Je '62. (MIRA 15:12)  
(Rooks (Birds)) (Plants, Protection of)

FALIKENSHTEYN, B.YN.

Theoretical basis and some results of research on chemical  
plant protection against rodents and birds. Trudy VIZR  
no.17:49-79 '63. (MIRA 18:9)

FAL'KENSHEYN, B.Yu., prof.

Gliptor. Zashch. rast. ot vred. i bol. 9 no.1:27-28 '64.  
(MIRA 17:4)

1. Vsesoyuznyy institut zashchity rasteniy.

FAL'KENSHTEYN, B. Yu., prof.; YEGOROVA, L.V., nauchnyy sotrudnik

Ratindan. Zashch. rast. ot vred. i bol. 9 no.10:33-34 '64  
(MIRA 18:1)

1. Vsesoyuznyy institut zashchity rasteniy.

FAL'KENSHEYNN, I.V.

Electromagnets for electrolytic baths. Mashinostroitel' no.1:  
29 Ja '62. (MIRA 15:1)  
(Electromagnets)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412410012-6

KRAPIVENSKIY, Z.N.; FAL'KENSHTEYN, I.V.

Automatic head for measured cutting of ingots. Mashinostroitel'  
no.6:22 Je '62. (MIRA 16:5)  
(Cutting machines)

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CIA-RDP86-00513R000412410012-6"

FAL'KENSHEYNE, I.V.

Cart for gas cylinders. Mashinostroitel' no. 5:22 My '64.  
(MIRA 17:7)

SERGEYEV, Ye.M.; FAL'KEVICH, A.

Development of engineering geology in Poland. Vest.Mosk.un.Ser.  
biol., pochv., geol., geog. 14 no.1:223-227 '59.  
(MIRA 12:9)

1. Kafedra inzhenernoy geologii Varshavskogo universiteta, i  
kafedra gruntovedeniya i inzhenernoy geologii Moskovskogo  
universiteta.  
(Poland--Engineering geology)

Portable acetylene generator. A. S. Fal'kevich and  
G. P. Cherpel'shin. *Avtogenez Dade* (U. S. S. R.) S. No.  
2, 11, 18; No. 6, 22-4(1934). The efficiency of the generator  
depends on the following conditions: the amt. of  
carbide in contact with water for a given time, the rate of  
carbide decompr., the consumption of C<sub>2</sub>H<sub>2</sub> per kg. of  
carbide and the conditions of decompr. (water temp.,  
etc.). The efficiency of various types of generators is  
discussed. L. Jacobell

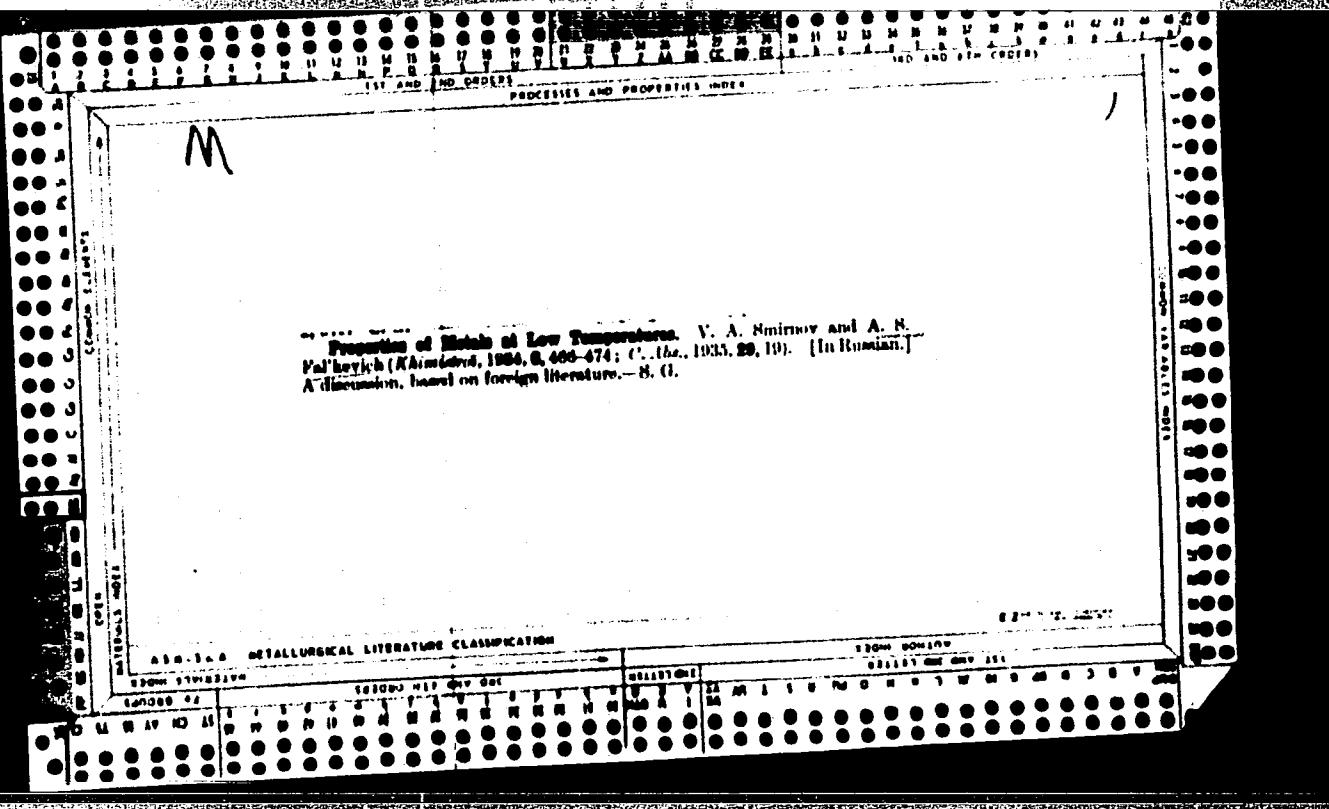
FALKEVICH, A.S.

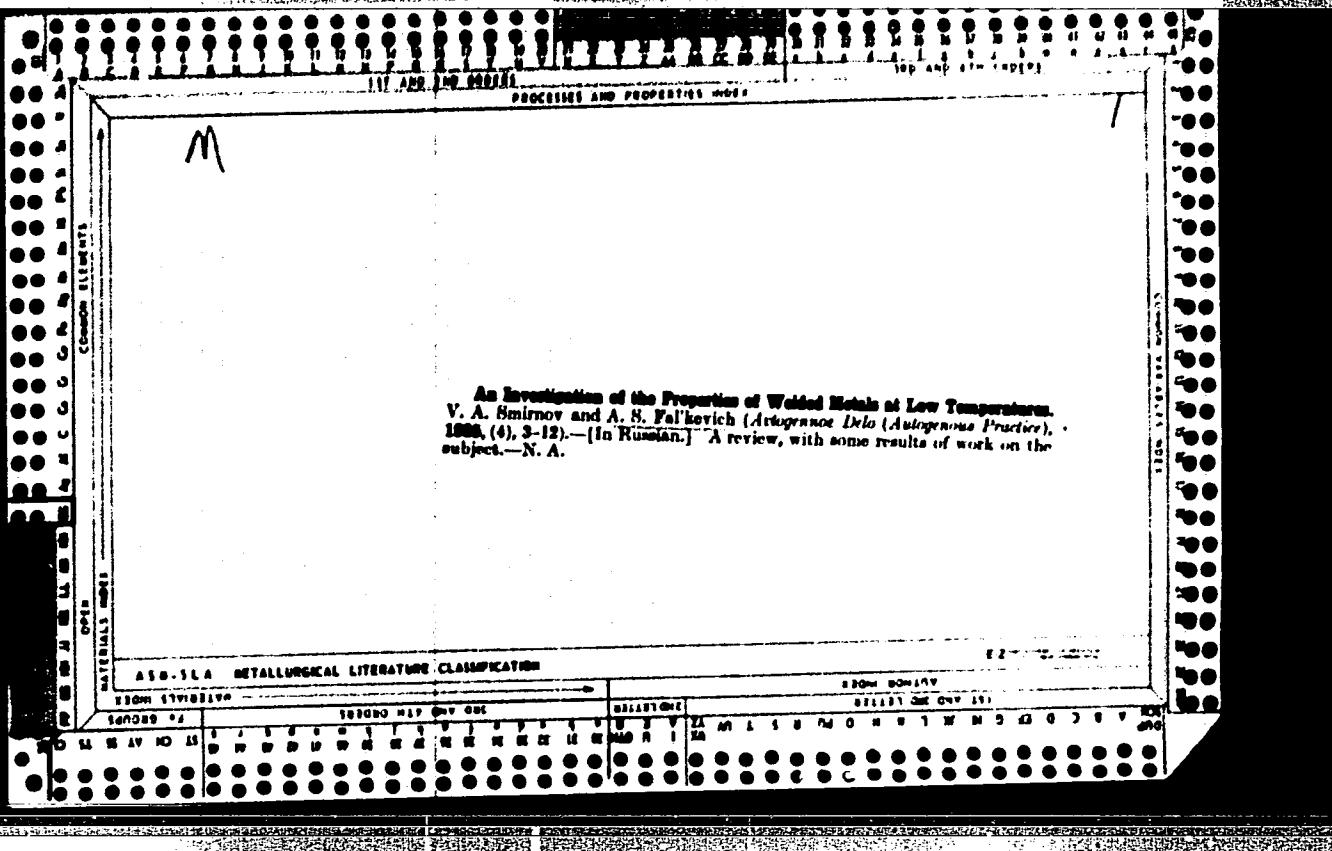
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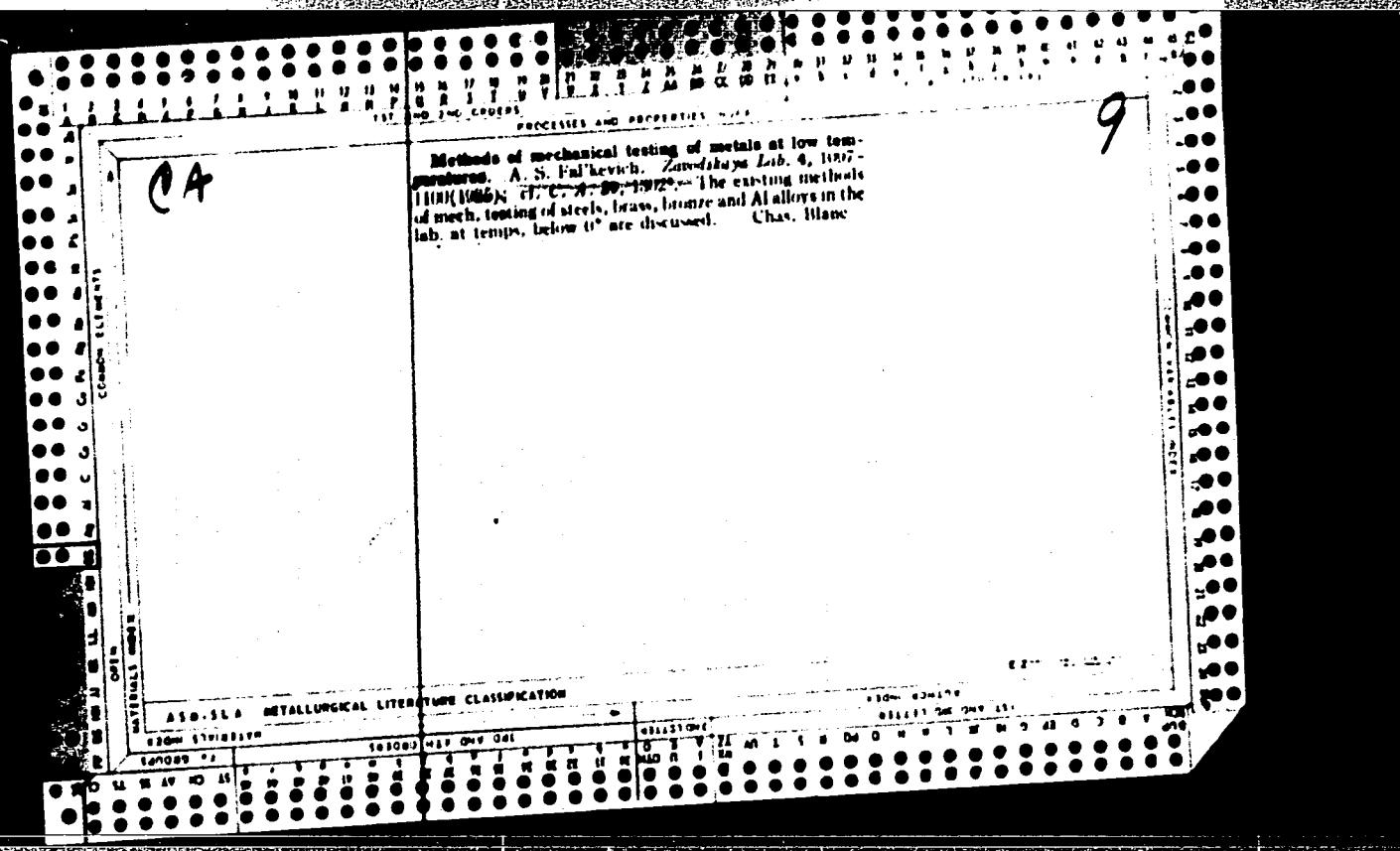
A-1

Decomposition velocity of (calcium) carbide  
with water. A. S. Falkevich (Khimizdat, 1934, 6,  
442-443).—Decomposition rate of  
coarsely granulated  $\text{CaC}_2$  with  $\text{H}_2\text{O}$  increase 1% per  
1° rise in temp.  
Ca. Ann. (e)

ABE-SEA METALLURGICAL LITERATURE CLASSIFICATION







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#### **PERIODS AND PASSAGES IN**

9

Study of the properties of the base and the deposited metals at low temperatures. B. A. Smirnov and A. N. Falkovitch. Avangard Press (U. S. S. R.) No. 1, 3-1221777-5. The main purpose of the investigation was the study of the mech. properties of metals in order to find a steel which would not become brittle at low temps. The study showed that the hardness of welds increased with the decrease of temp. L. Jacobson

## ~~ABSTRACTS METALLURGICAL LITERATURE CLASSIFICATION~~

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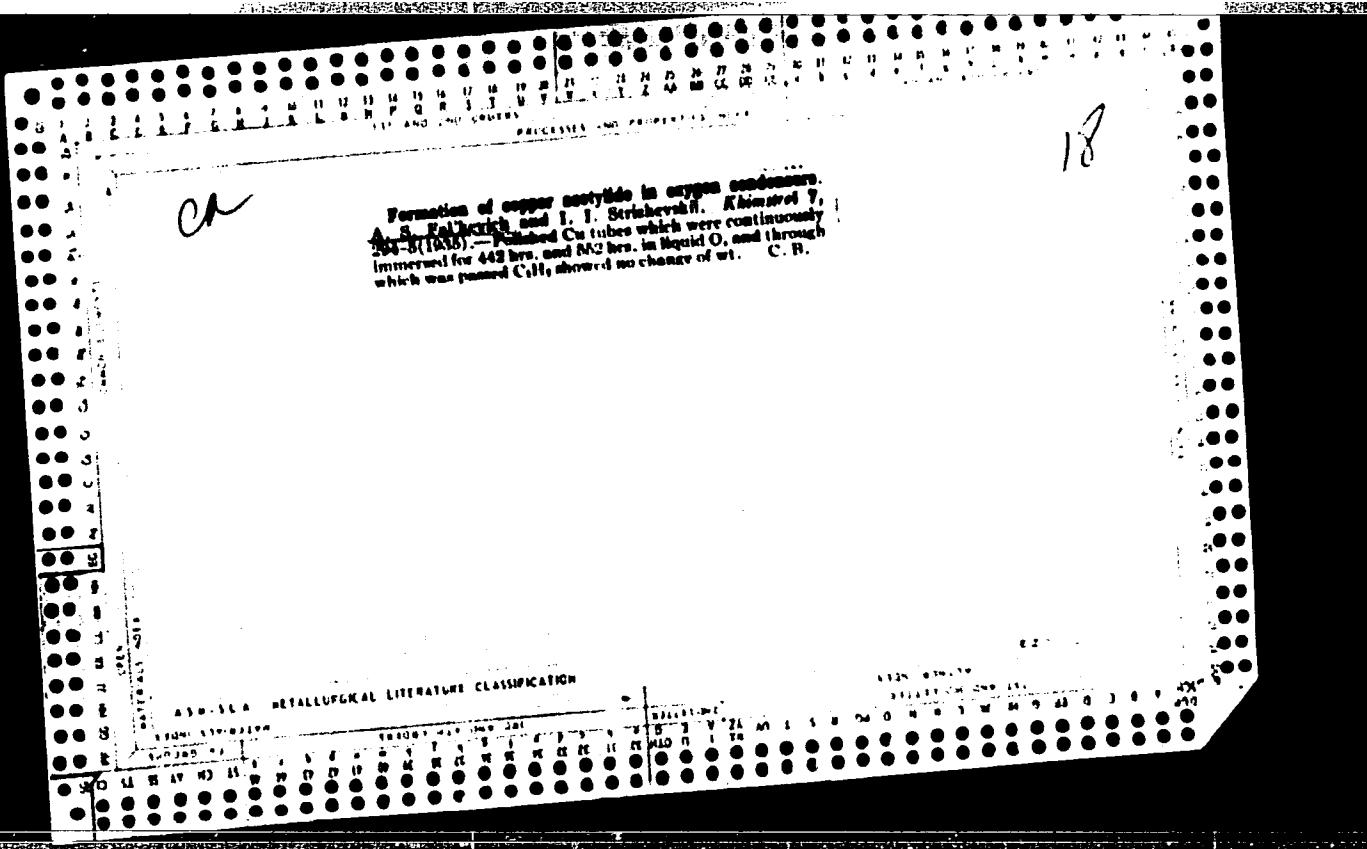
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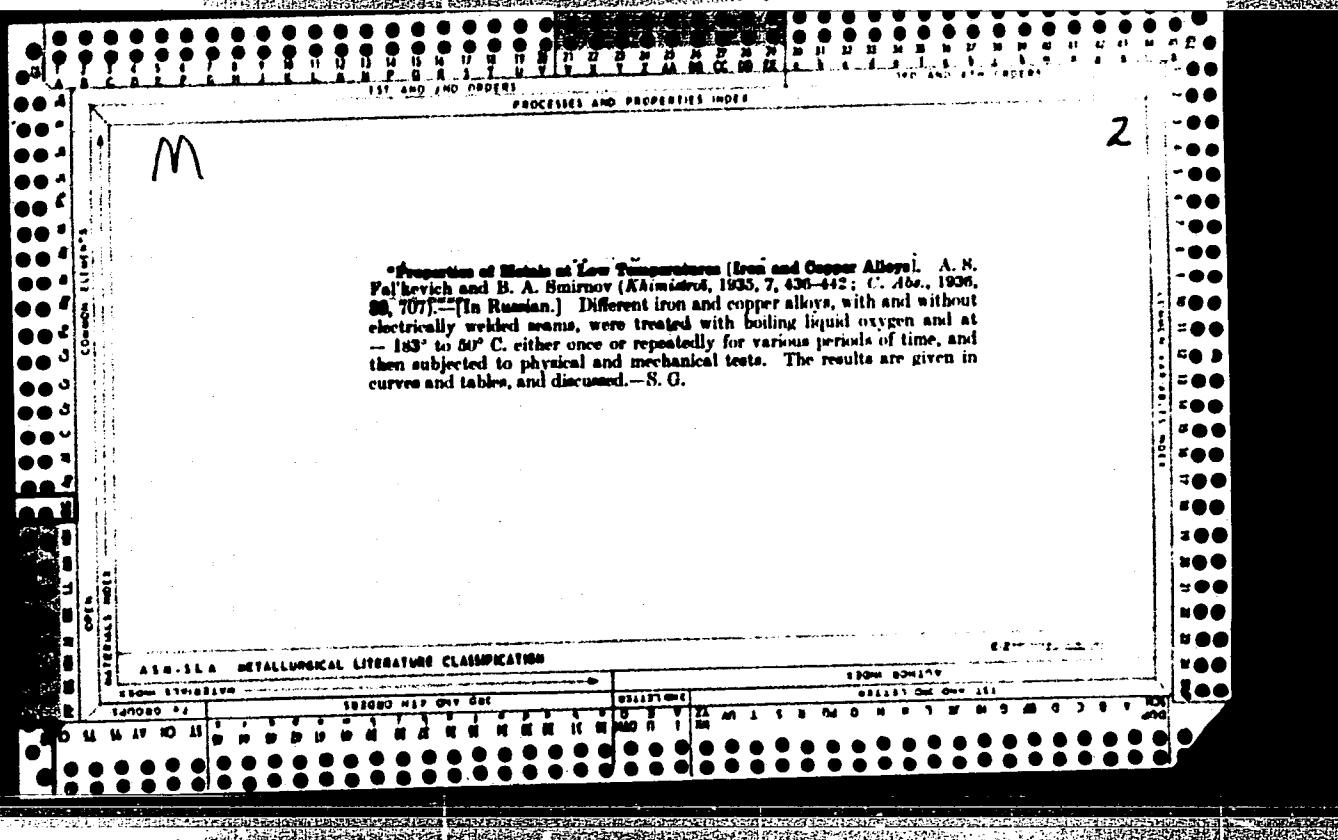
A comparative study of welding torches A. S. Falk  
and D. V. Chepliugom and V. P. Tret'yakov. *Zhurnal  
podgotovki i otseleniya metallov*, No. 7, 7 (1953). The torches  
under investigation proved to be of similar quality and were  
characterized by the following features: the relation of  
acetylene to O<sub>2</sub> in the gas mixt., at 850°-1020°K., was  
1.1-1.3; the velocity of the gas current leaving the torch  
was 110-130 m/sec.; the pressure in the acetylene pipe  
was 450-650 mm. I. Savoyeff

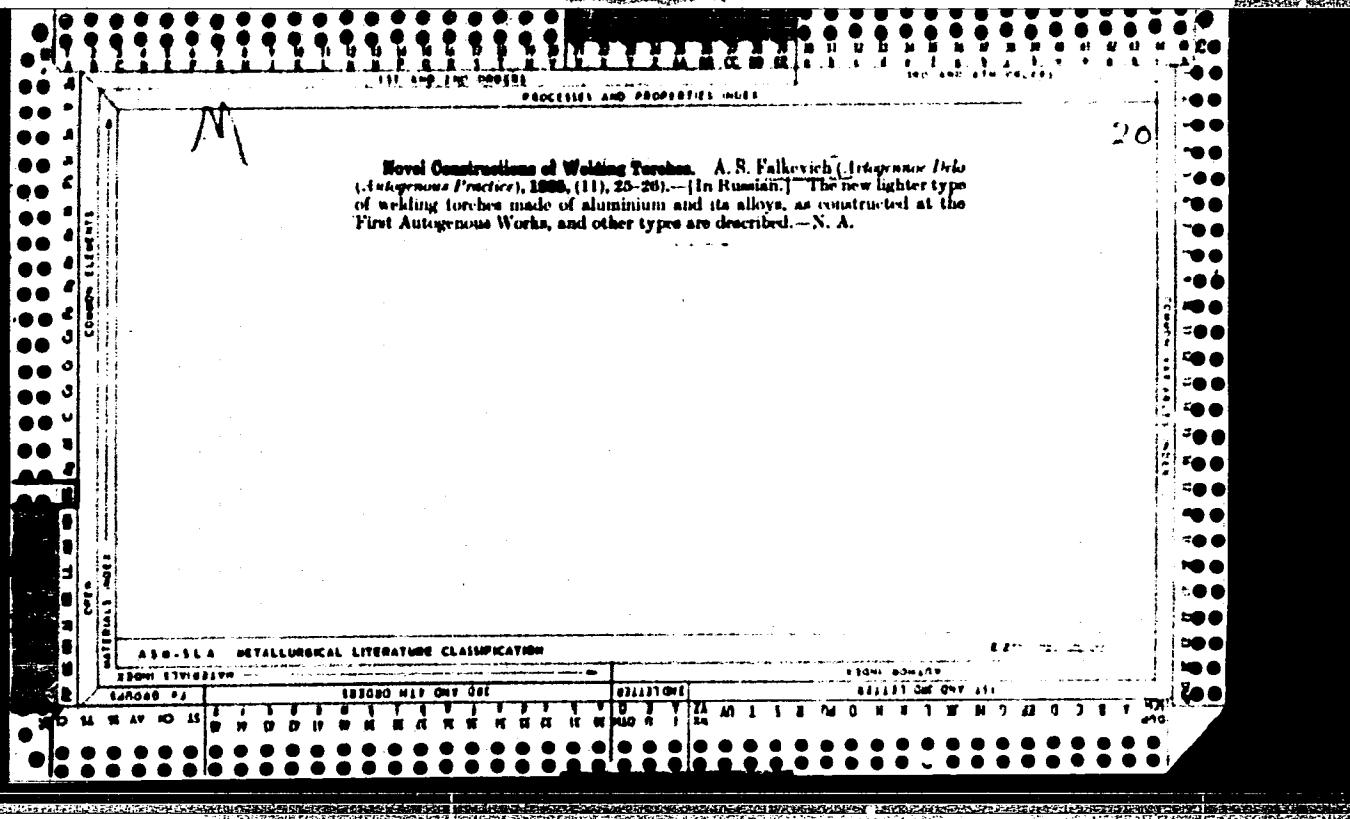
### APPENDIX B METALLURGICAL LITERATURE CLASSIFICATION

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**CIA-RDP86-00513R000412410012-6"**

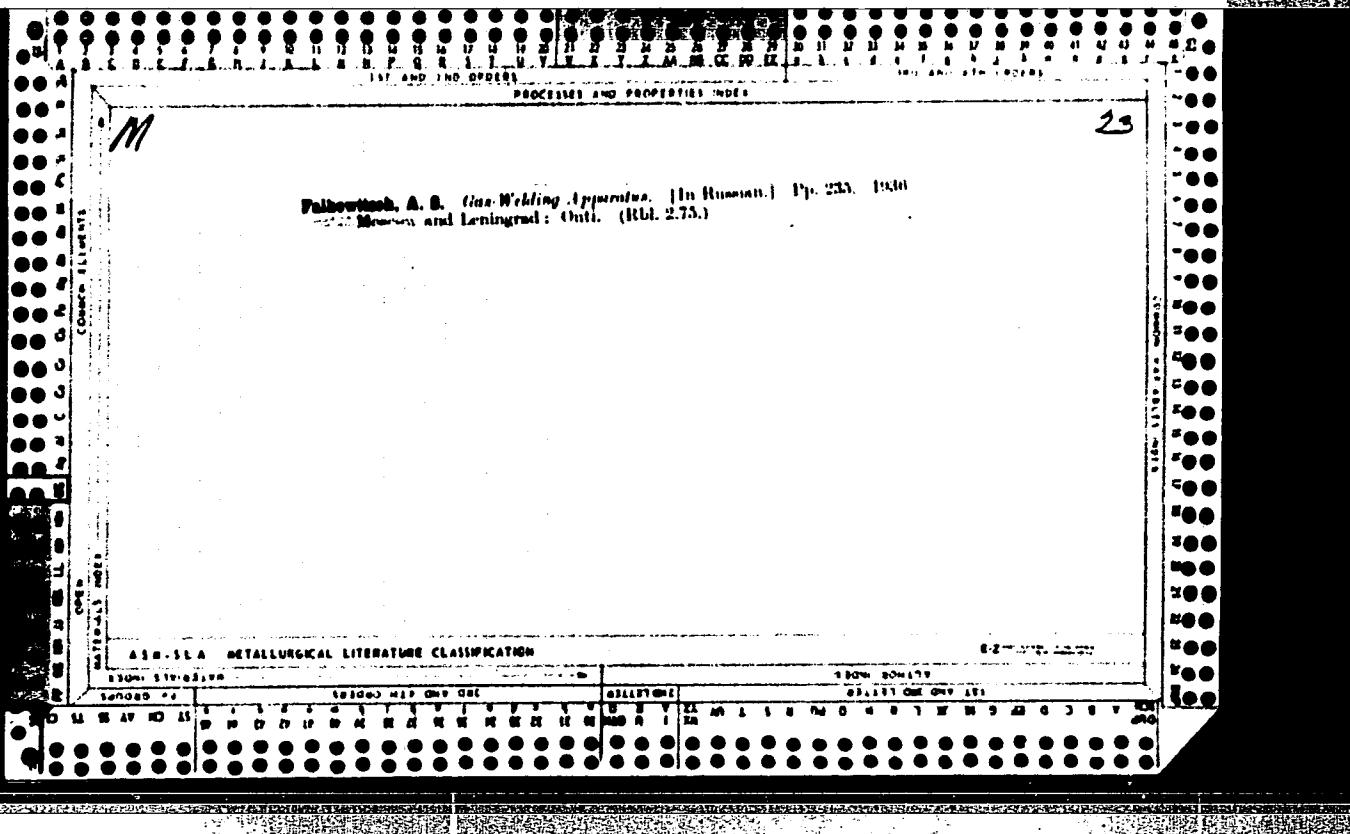






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TESTED AND APPROVED BY:  
  
Testing of silicon-chromium-copper-manganese steel at low temperatures. A. S. Bal'kovich. Zarodikaya Lab. 5, 219-21(1938); cf. C. A. 30, 2074. Si-Cr-Cu-Mn steel, tempered twice in oil at 800° and 800° and let cool at 300° for 20 min., was tested at 20°, -40° and -183°. The comparative tables and graphs show that the mech. properties of the steel are equal to those of Cr-Ni and Ni steels, and that it can be used with equal results in the construction of low temp. app. Chas. Blane

## ABRILIA METALLURGICAL LITERATURE CLASSIFICATION

ABRILIA	193800	193801	193802	193803	193804	193805	193806	193807	193808	193809	193810	193811	193812	193813	193814	193815	193816	193817	193818	193819	193820	193821	193822	193823	193824	193825	193826	193827	193828	193829	193830	193831	193832	193833	193834	193835	193836	193837	193838	193839	193840	193841	193842	193843	193844	193845	193846	193847	193848	193849	193850	193851	193852	193853	193854	193855	193856	193857	193858	193859	193860	193861	193862	193863	193864	193865	193866	193867	193868	193869	193870	193871	193872	193873	193874	193875	193876	193877	193878	193879	193880	193881	193882	193883	193884	193885	193886	193887	193888	193889	193890	193891	193892	193893	193894	193895	193896	193897	193898	193899	1938100	1938101	1938102	1938103	1938104	1938105	1938106	1938107	1938108	1938109	1938110	1938111	1938112	1938113	1938114	1938115	1938116	1938117	1938118	1938119	1938120	1938121	1938122	1938123	1938124	1938125	1938126	1938127	1938128	1938129	1938130	1938131	1938132	1938133	1938134	1938135	1938136	1938137	1938138	1938139	1938140	1938141	1938142	1938143	1938144	1938145	1938146	1938147	1938148	1938149	1938150	1938151	1938152	1938153	1938154	1938155	1938156	1938157	1938158	1938159	1938160	1938161	1938162	1938163	1938164	1938165	1938166	1938167	1938168	1938169	1938170	1938171	1938172	1938173	1938174	1938175	1938176	1938177	1938178	1938179	1938180	1938181	1938182	1938183	1938184	1938185	1938186	1938187	1938188	1938189	1938190	1938191	1938192	1938193	1938194	1938195	1938196	1938197	1938198	1938199	1938200	1938201	1938202	1938203	1938204	1938205	1938206	1938207	1938208	1938209	1938210	1938211	1938212	1938213	1938214	1938215	1938216	1938217	1938218	1938219	1938220	1938221	1938222	1938223	1938224	1938225	1938226	1938227	1938228	1938229	1938230	1938231	1938232	1938233	1938234	1938235	1938236	1938237	1938238	1938239	1938240	1938241	1938242	1938243	1938244	1938245	1938246	1938247	1938248	1938249	1938250	1938251	1938252	1938253	1938254	1938255	1938256	1938257	1938258	1938259	1938260	1938261	1938262	1938263	1938264	1938265	1938266	1938267	1938268	1938269	1938270	1938271	1938272	1938273	1938274	1938275	1938276	1938277	1938278	1938279	1938280	1938281	1938282	1938283	1938284	1938285	1938286	1938287	1938288	1938289	1938290	1938291	1938292	1938293	1938294	1938295	1938296	1938297	1938298	1938299	1938300	1938301	1938302	1938303	1938304	1938305	1938306	1938307	1938308	1938309	1938310	1938311	1938312	1938313	1938314	1938315	1938316	1938317	1938318	1938319	1938320	1938321	1938322	1938323	1938324	1938325	1938326	1938327	1938328	1938329	1938330	1938331	1938332	1938333	1938334	1938335	1938336	1938337	1938338	1938339	1938340	1938341	1938342	1938343	1938344	1938345	1938346	1938347	1938348	1938349	1938350	1938351	1938352	1938353	1938354	1938355	1938356	1938357	1938358	1938359	1938360	1938361	1938362	1938363	1938364	1938365	1938366	1938367	1938368	1938369	1938370	1938371	1938372	1938373	1938374	1938375	1938376	1938377	1938378	1938379	1938380	1938381	1938382	1938383	1938384	1938385	1938386	1938387	1938388	1938389	1938390	1938391	1938392	1938393	1938394	1938395	1938396	1938397	1938398	1938399	1938400	1938401	1938402	1938403	1938404	1938405	1938406	1938407	1938408	1938409	1938410	1938411	1938412	1938413	1938414	1938415	1938416	1938417	1938418	1938419	1938420	1938421	1938422	1938423	1938424	1938425	1938426	1938427	1938428	1938429	1938430	1938431	1938432	1938433	1938434	1938435	1938436	1938437	1938438	1938439	1938440	1938441	1938442	1938443	1938444	1938445	1938446	1938447	1938448	1938449	1938450	1938451	1938452	1938453	1938454	1938455	1938456	1938457	1938458	1938459	1938460	1938461	1938462	1938463	1938464	1938465	1938466	1938467	1938468	1938469	1938470	1938471	1938472	1938473	1938474	1938475	1938476	1938477	1938478	1938479	1938480	1938481	1938482	1938483	1938484	1938485	1938486	1938487	1938488	1938489	1938490	1938491	1938492	1938493	1938494	1938495	1938496	1938497	1938498	1938499	1938500	1938501	1938502	1938503	1938504	1938505	1938506	1938507	1938508	1938509	1938510	1938511	1938512	1938513	1938514	1938515	1938516	1938517	1938518	1938519	1938520	1938521	1938522	1938523	1938524	1938525	1938526	1938527	1938528	1938529	1938530	1938531	1938532	1938533	1938534	1938535	1938536	1938537	1938538	1938539	1938540	1938541	1938542	1938543	1938544	1938545	1938546	1938547	1938548	1938549	1938550	1938551	1938552	1938553	1938554	1938555	1938556	1938557	1938558	1938559	1938560	1938561	1938562	1938563	1938564	1938565	1938566	1938567	1938568	1938569	1938570	1938571	1938572	1938573	1938574	1938575	1938576	1938577	1938578	1938579	1938580	1938581	1938582	1938583	1938584	1938585	1938586	1938587	1938588	1938589	1938590	1938591	1938592	1938593	1938594	1938595	1938596	1938597	1938598	1938599	1938600	1938601	1938602	1938603	1938604	1938605	1938606	1938607	1938608	1938609	1938610	1938611	1938612	1938613	1938614	1938615	1938616	1938617	1938618	1938619	1938620	1938621	1938622	1938623	1938624	1938625	1938626	1938627	1938628	1938629	1938630	1938631	1938632	1938633	1938634	1938635	1938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27

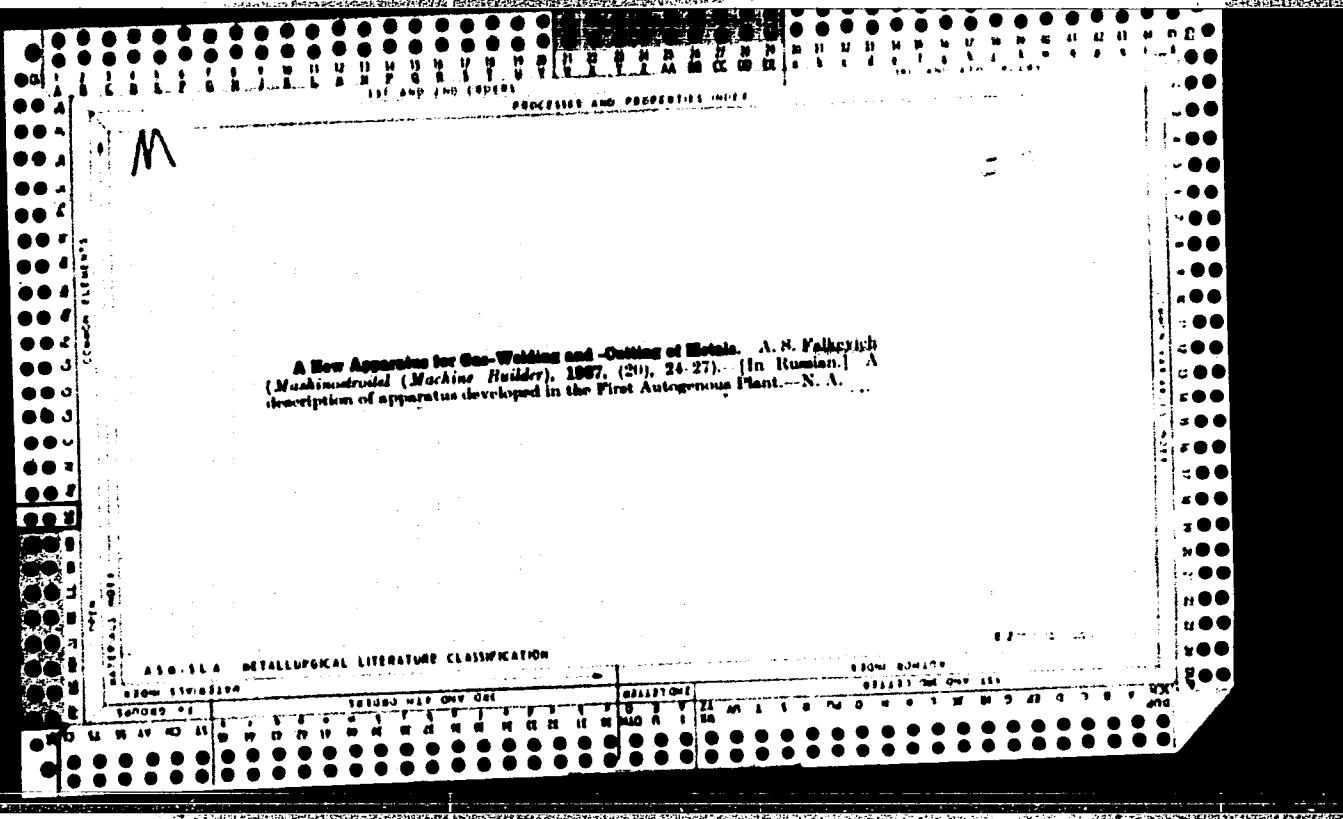
21

The possibility of using pseudobutylene as a fuel in the cutting of metals. A. S. L'vovskiy and G. I. Chepelygin. *Zhurnal Dostizhenii Nauk*, No. 10, 17-30 (1957). *Chem. Zentral.* 1958, II, 2344. Pseudobutylene is suitable for use as a fuel for cutting steel pieces up to 30 mm. in thickness. It is comparable to C<sub>2</sub>H<sub>2</sub> and benzene as regards cutting velocity and gas consumption. The combustion process is represented by the equations C<sub>4</sub>H<sub>8</sub> + 2 O<sub>2</sub> = 4 CO + 4 H<sub>2</sub> and 4 CO + 4 H<sub>2</sub> + 4 O<sub>2</sub> = 4 CO<sub>2</sub> + 4 H<sub>2</sub>O. The only adjustment required is in an enlargement of diam. of the injector of the cutting tool. The operation is quick and the flame can be easily regulated, especially if the cylinder contains the fuel is fitted with a reducing valve for regulating the pressure and is warmed with hot water (30-50°) in the winter. M. G. Moore

APPENDIX METALLURGICAL LITERATURE CLASSIFICATION

**APPROVED FOR RELEASE: 03/13/2001**

CIA-RDP86-00513R000412410012-6"



FAL'KEVICH, A. S. and V. S. CHERNIAK.

Gazovaya svarka i rezka. (2. perer. i dopoln. izd.) Moskva, Mashgiz, 1946.  
289 p. illus.

Gas welding and cutting.

DLC: TS227.F3 1946

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

FAL'KEVICH, A. S. and V. S. CHERNIK

Rukovodstvo po gazovoi svarke i rezke. Dlia kursov tekhnicheskogo mashinostroit. promyshl. 4. perer. izd. Moskva, Mashgiz, 1947. 191 p. illus.

Manual of gas welding and cutting.

DLC: TS227.F32 1947

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

FAL'KEVICH, A. S.

PA 18T15

USSR/Welding, Marine  
Welding - Methods

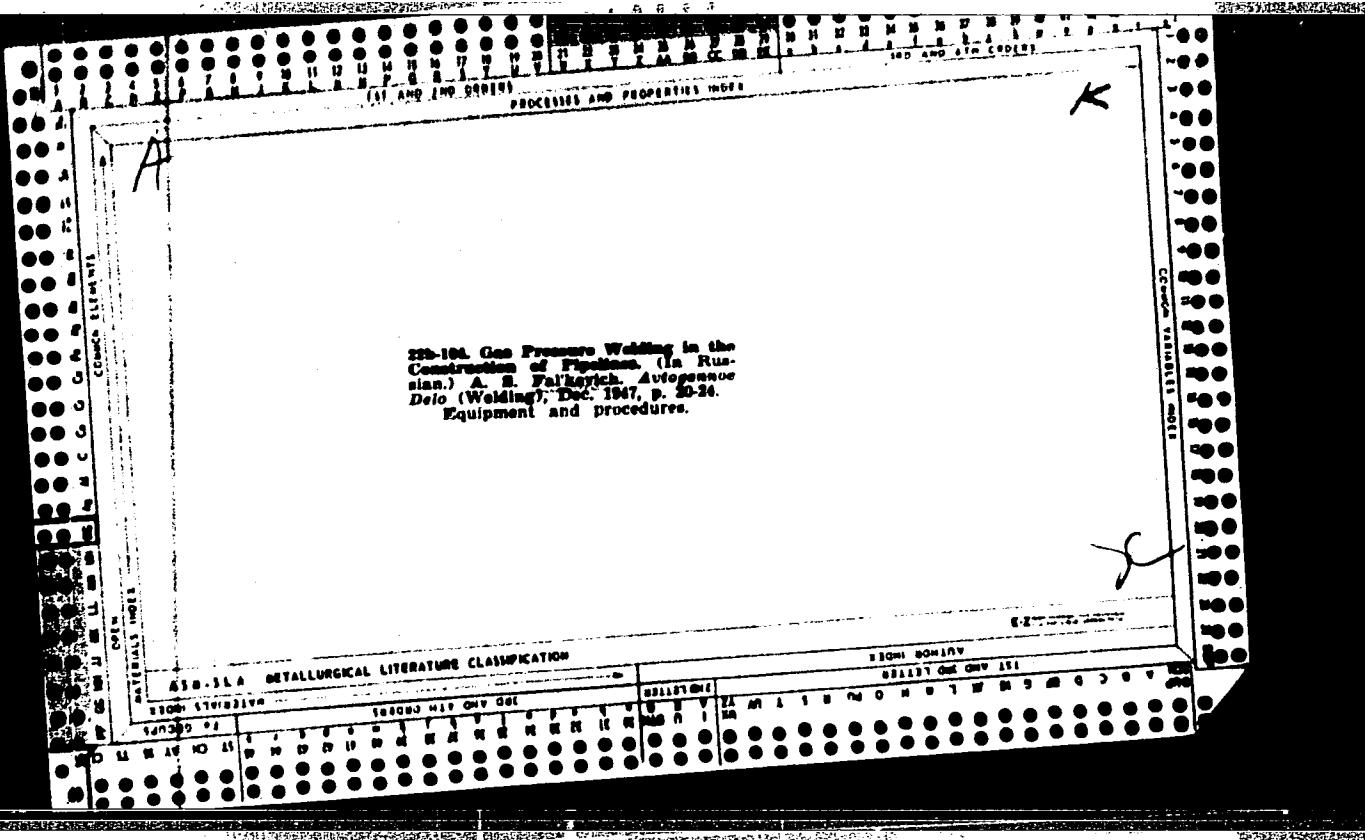
Aug 1947

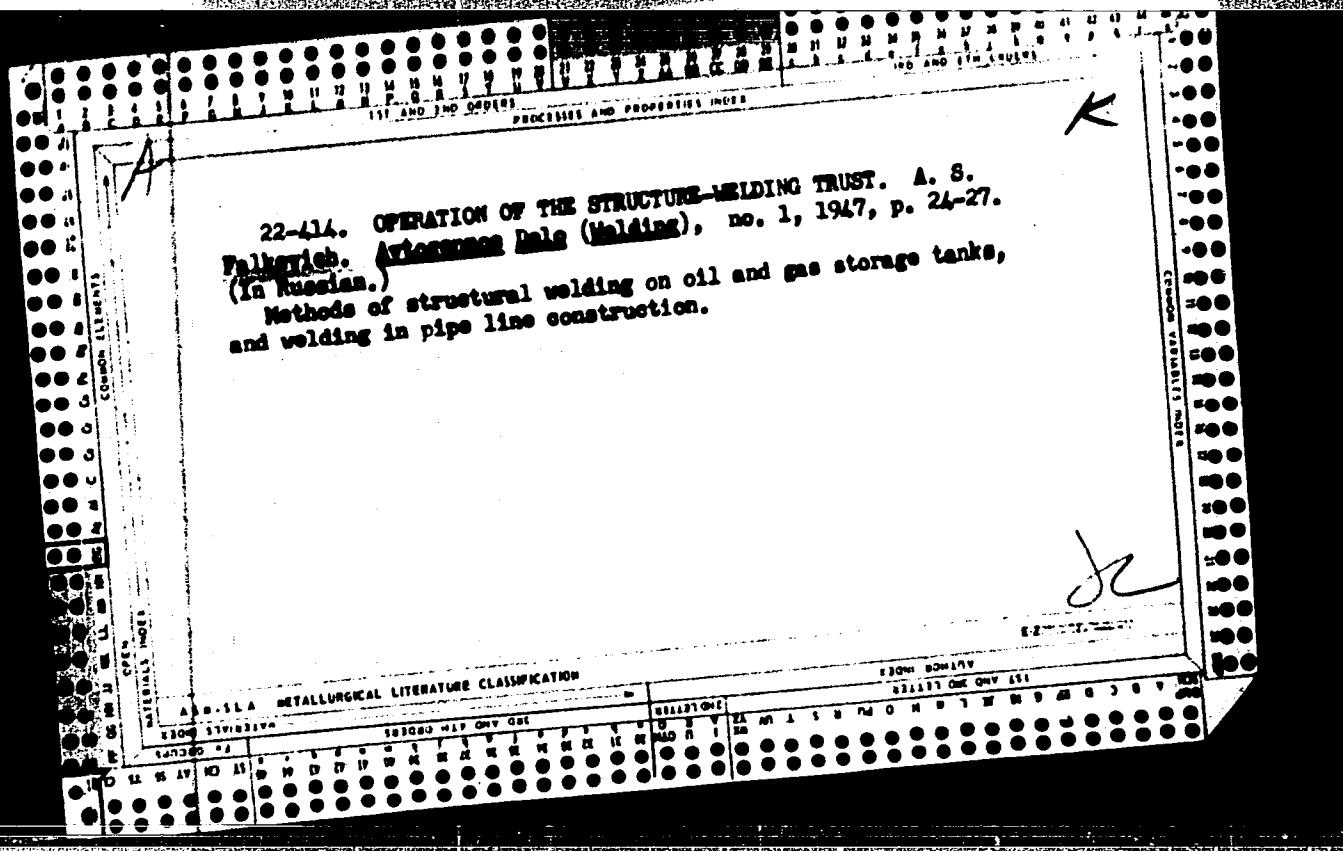
"Review of Efimov's Book, Ship, Gas Welding," A. S.  
Fal'kevich, 1 p

"Avtogennoye Delo" No 8

This book is meant to be a handbook for preparation  
of shipboard gas welders. However, because of the  
number of mistakes in the books, it is rather useless.

18T15





FAL'KEVICH, A. S.

FA 66748

USER/Engineering  
Welding, Gas  
Gas Pipes

Apr 1948

GlavftegasProm, 24 pp

"Mechanical Properties of Welded Joints Produced by  
Gas Pressure Welding During Assembly of Pipe Lines,"  
A. S. Fal'kevich, Eng., Welding and Repair Trust

"Argon Dolo" No 4

Tests conducted on gas-pressure welded joints used  
for the construction of the gas pipe from Danube  
to Kiev, and Estonia to Leningrad in 1947. Brief  
information on the pipe used, and the technological

66748

USER/Engineering (Contd)

Apr 1948

parameters of the gas-pressure welding system on  
thin-walled pipes. Tests also conducted on the  
mechanical properties of the pipe: expansion,  
bending, and breaking. Metallographic studies  
conducted to determine external defects of com-  
valued by gas-pressure method.

66748

FAL'KEVICH, A. S.

PA 2/49T21

USSR/Engineering

May 48

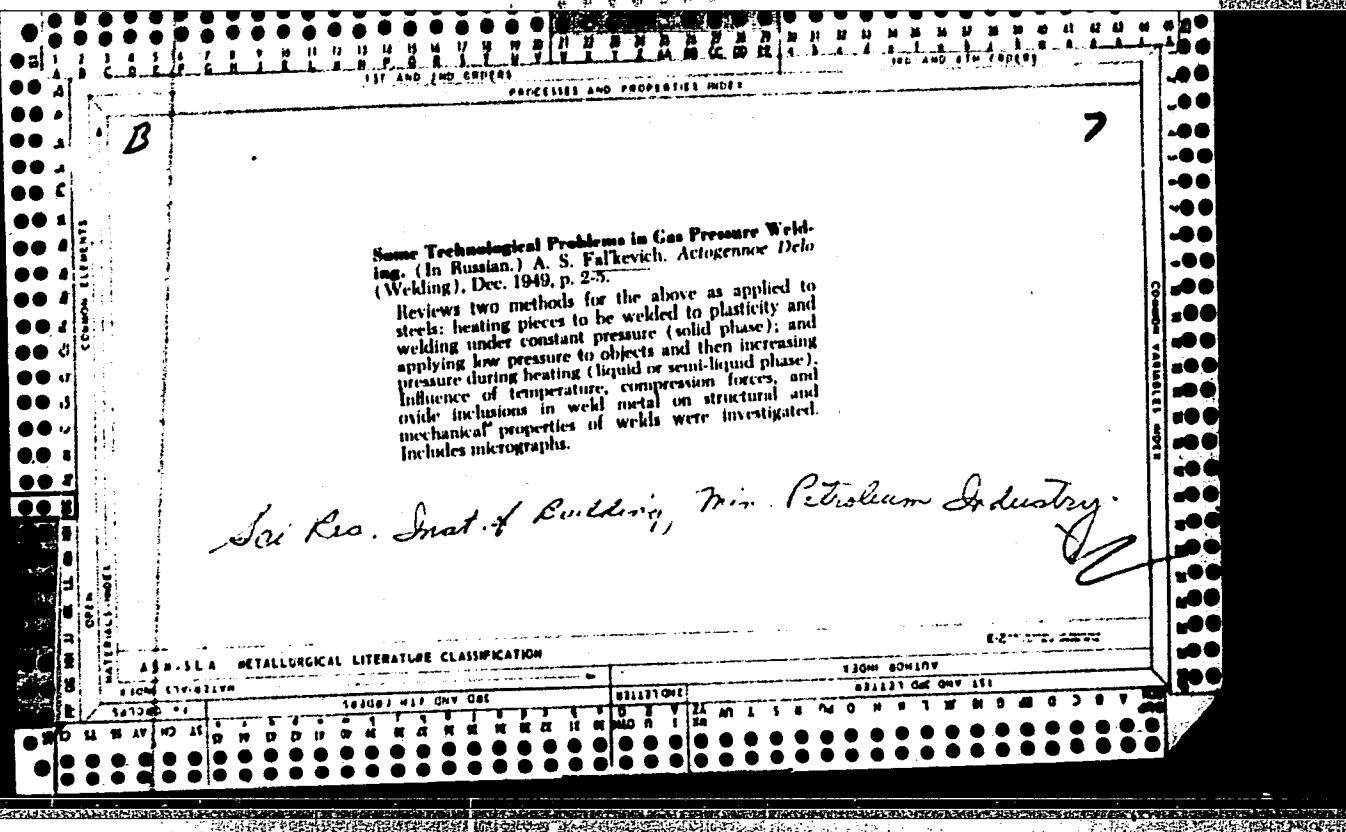
Pipe Lines  
Joints, Welded

"Practical Problems of Welding Trunk-Line Pipe Lines," A. S. Fal'kevich, Engr, Welding and Assembling Trust "GlavNeftGazstroy," 3 pp

"Avtogem Delo" No 5

Discusses means for selection of proper welding method, assembling and welding of pipe lines by so-called "continuous-thread" method, and gas-pressure welding method for thick-walled pipes.

2/49T21



APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412410012-6"

FAL'KEVICH, A. C.

PA 42/49T23

USSR/Engineering  
Welding  
Pipe Lines

Feb 49

"Welding the Dasha-Kler Gas Line," A. C.  
Fal'kevich, Engg., Welding-Assembling Glavnertse-  
stroi Trust, 4 3/4 pp

Autogency Date No 2

Suggests new mechanized welding methods for main  
pipe lines, based on experiences in construction  
of the powerful Dasha-Kler gas pipe line: gas-  
pressure welding with fusion of pipe ends and  
autogenous electric welding under a layer of flux.  
Gas-pressure welding can be successfully used  
at pipe-line construction sites.

USSR/Engineering (contd)

Feb 49

42/49T23

for thin- and thick-walled pipes. Method involving  
the use of gamma rays, in addition to ampoules  
bearing mnesotrium radiation, was used to control  
the quality of welding. Method is recommended  
for pipe-line construction sites.

42/49T23

FAL'KEVICH, A. S.

PA 50/49T39

Vessel/Engineering

Jun 49

Tanks

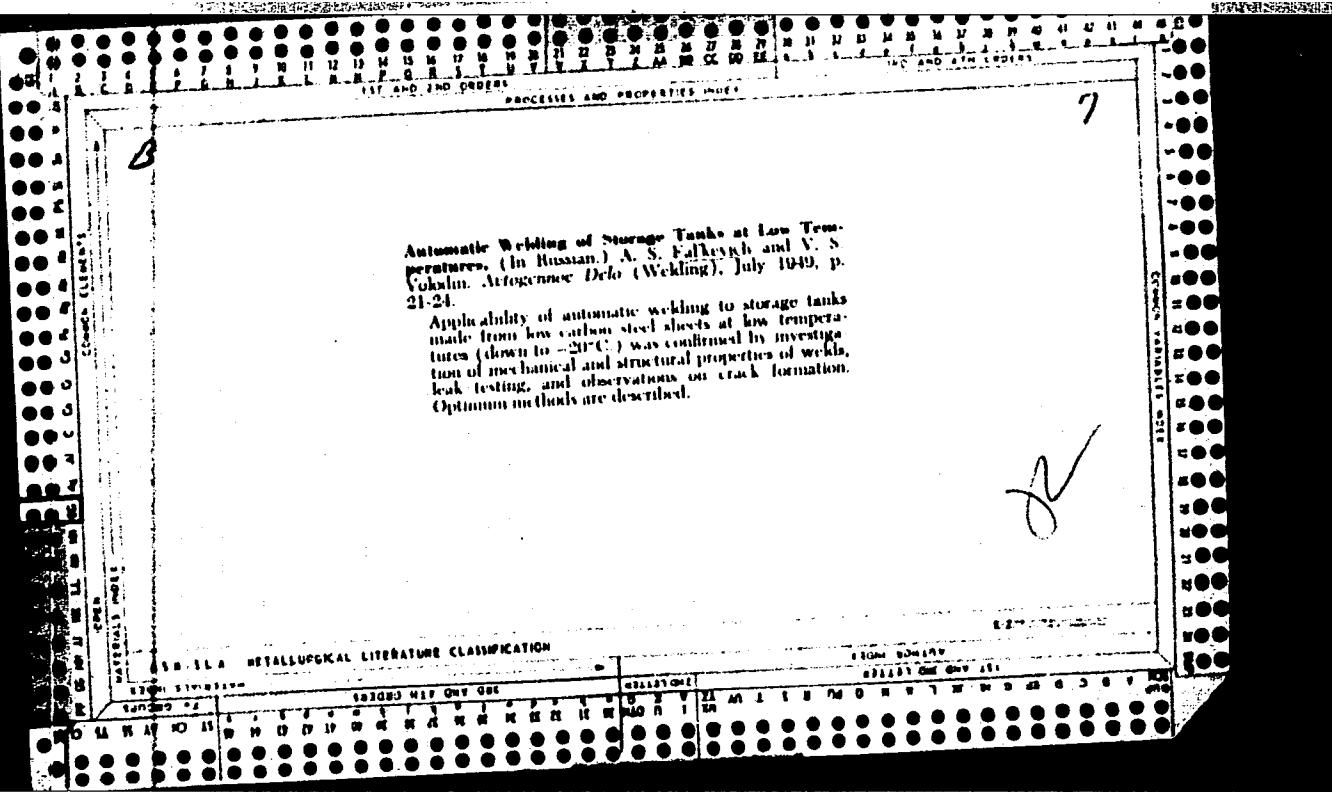
Welding

"American Firms Are Using a Stakhanovite Method  
for Tank Assembly," A. S. Fal'kevich, Engr, 1 p

"Avtogen Delo" No 6

Claims "new method" of an American firm announced  
in "Welding Engineer" No 1, 1949, for tank assembly by using two carts to hold metal sheets was  
first introduced by V. S. Yepifanov in Soviet industry in the winter of 1941 - 1942 with a time-  
saving of 40-50 percent.

50/49T39



FAL'KEVICH A. S.

I.A. 151T26

USSR/Engineering - Welding  
New Techniques

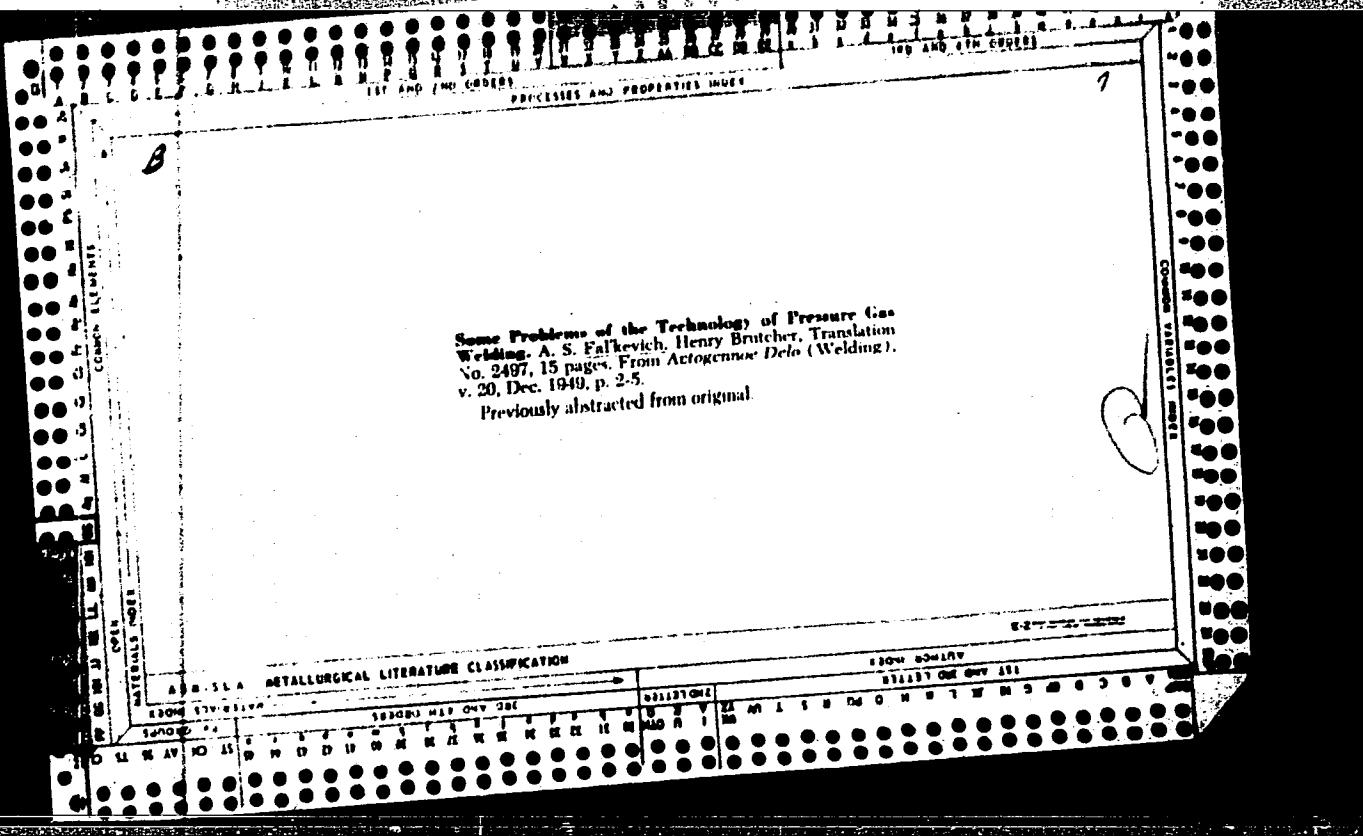
Dec 49

"Some Problems in the Technology of Gas-Pressure  
Welding," A. S. Fal'kevich, Engr, 3½ PP

"Avtogen Delo" No 12

Discusses (1) methods of welding, (2) mechanism  
of process of gas-pressure welding in solid  
phase, (3) welding temperature and compression  
force, (4) oxides in welded seam, (5) structure  
and mechanical properties of welded joints, and  
(6) automatization of welding process. Includes  
three diagrams, and four photographs.

151T26



FAIKEVICH, A. S.

941038

Sverk i obrabotka metallov gazo-kislorodnym plamenem. Moscow, 1950. 283 p.  
(Welding and Processing of Metals with a Gasoline Torch)

The theory and techniques of acetylene welding and cutting, description of fuel gases and apparatus needed in their production, technology of gas pressure welding and of tempering, description of equipment needed in welding and inspection methods, used to raise qualifications of foremen and workers in the field of acetylene welding; published as a Govt. Scientific-Technical Edition of Machine Construction Literature.

1. Russia - Welding
  2. Russia - Metallurgical Industry
  3. Russia - Physics - Research
- i. Welding and Processing of metals with gas-oxygen flame
  - ii. Title
  - iii. Chernyak, V. S.

FAL'KEVICH, A. S.

PA 167T62

USSR/Metals - Welding

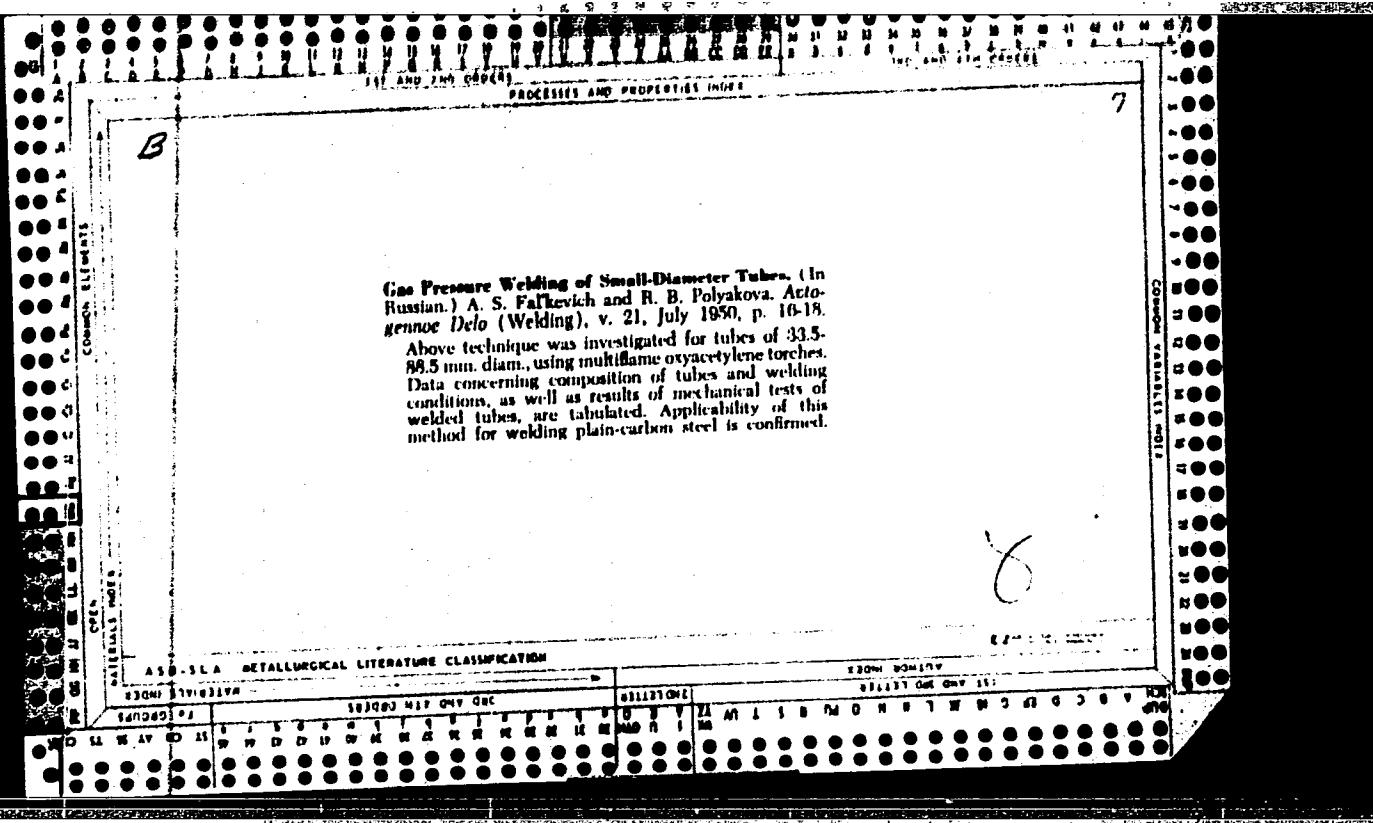
Jul 50

"Gas Pressure Welding of Small-Diameters Pipes,"  
Engineers A. S. Fal'kevich, R. B. Polyakova,  
Sci Res Inst of Stroyneft'

"Avtogen Delo" No 7, pp 16-18

Data on investigation of technology of subject  
welding, performed on improved stand of SGP-3  
type (described by T. A. Vladimirskiy and M. S.  
Nikitin in "Avtogennoye Delo" No 12, 1949).  
Pipes of 33.5-88.5 mm (1-3 in) were satisfac-  
torily welded by gas-pressure method. Strength  
of welded joints is not lower than that of base  
metal.

167T62



FAL'KEVICH A. S.

181T40

USSR/Engineering - Welding, Equipment Dec 50

"Welding Units With Internal Combustion Engines,  
Fabricated by the Plants of the Ministry of Elec-  
trical Industry," A. S. Fal'kevich, Engr

"Avtogen Delo" No 12, pp 27-30

Portable welding unit SAK consists of int combustion  
eng and welding generator and has been in production  
over 15 yr. Operational characteristics given, nu-  
merous deficiencies described and suggestions for  
improvement.

181T40

FAL'KEVICH, A. S.

Metody avtomaticheskoi svarki magistral'nykh truboprov odov. Moskva, Gostoptekhizdat,  
1951. 147 p.

Methods of automatic welding of main pipe lines.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of  
Congress, 1953.

FAL'KEVICH, A. S. and V. S. CHERNIAK

Svarke i obrabotka metallov gazo-kislorodnym plamenem. Moskva, Mashgiz, 1950.  
283 p. illus.

Welding and metal working by oxyacetylene flame.

DLC: TS227.F33

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

FAL'KEVICH, A. S.

"Study of the Technological Processes in Welding Pipelines." Sub 7  
Mar 51, Moscow Order of the Labor Red Banner Higher Technical School  
imeni Bauman

Dissertations presented for science and engineering degrees in Moscow  
during 1951.

SO: Sum. No. 480, 9 May 55

FAL'KOVICH, A. S., CHFEL'D, I. YE.

Petroleum - Storage

Controlling the tightness of cylindrical tank bottoms, welded on sandy foundation.  
Avtom. svar., 4, No. 5(20), 1951.

The use of ammonia gas and a phenolphthalein solution for the detection of  
leaks in joints is recommended.

9. Monthly List of Russian Accessions, Library of Congress, June 1952. 1953, Uncr.

FALKOVICH 75.

3  
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✓ Methods of Minimising Porosity of Metal Welds in Submerged Automatic Welding on Construction Sites. A. S. Falkovich and V. S. Vodolazh. (Inzenernaya Dela, 1951, 32, 1, 3)

[In Russia, an investigation of causes of porosity of welds produced by submerged arc-welding is described. On the basis of the results obtained it is recommended that: (1) the moisture content of flux should be below 0.1%; (2) mechanical cleaning of rusty edges before welding should be discontinued, instead preheating of such edges with oxy-acetylene flame to 300-350° C and welding in two layers is recommended; (3) coating of edges of plates to be welded with an aluminum powder and kerosene mixture (25 g of Al in 1 l of kerosene) reduces very much the possibility of the appearance of porosity. This treatment is recommended for welding of 1/4-in. plates of low-carbon steels having a coating of rust.—V. G.]

of 5

FAL'KEVICH, A.S.

USSR /Engineering - Welding, Testing May 51

"Determination of the Mechanical Properties of Welded Joints Using Ring Specimens," A. S. Fal'kevich, I. Ye Neyfeld, Engineers

"Avtogen Delo" No 5, pp 18-20

Welding laboratory of the NIIstroyneft studied possibility for detg mech properties of the welded joints of gas-oil pipelines on specimens of decreased size. Circular blanks of 45-50 mm diam, cut out of welded joints, were used for making the

200T31

USSR /Engineering - Welding, Testing May 51  
(Contd)

ring-like specimens each with 2 sections of the weld included. These specimens, with advantages over std specimen of dimensions and convenient shape for cutting out and machining, considerably reduced the testing costs.

200T31

FAL'KEVICH, A.S.

USSR/Engineering - Welding, Pipes

Jul 51

"On Automatic Welding of Pipes Without Rotating,"  
A. S. Fal'kevich, Engr, A. G. Mazel', Cand Tech  
Sci, Ya. Ye. Rogachevskiy, Engr

"Avtogen Delo" No 7, pp 9-12

In 1950, welding laboratory of NIISstroyneft' conducted expts on use of automatic welding for immovable pipe joints. Describes exptl automatic device and interprets results. Obtained best results using dc of direct polarity. Min arc voltage should be maintained. At over 25-30 v welding on sides of pipe and in ceiling position is impossible.

200T40

technological parameters for welding pipes and expts for automatization of process. Discusses butt prepn, magnitude and time of pressure application, effect of flame compn on quality of weld, effect of heating time on quality and temp on welding process. Gives Schematic diagram of automatization.

202T34

APPROVED

FOR RELEASE UNDER E.O. 14176 CIA-RDP86-00513R000412410012-6

FAL'KEVICH, A. S.

USSR/Engineering - Welding, Processes Sep 51

"Investigation of Welding Pipes by the Gas-Pres-  
sure Process," A. S. Fal'kevich, R. B. Polya-  
kova, Engineers, NIIStroyneft'.

"Avtogen Delo" No 9, pp 7-11

Presents results of investigating most essential  
technological parameters for welding pipes and  
expts for automatization of process. Discusses  
butt prep, magnitude and time of pressure ap-  
plication, effect of flame compn on quality of  
weld, effect of heating time on quality and  
efficiency of welding, influence of heating  
temp on welding process. Gives Schematic diagram  
of automatization. 202T34

VLADIMIRSKIY, T.A.; PAL'KOVICH, A.S.; ZVEGINTSEVA, I.V., inzhener, retsenzent;  
SHIBERLING, S.Z., dozent, redaktor; MODEL', B.I., tekhnicheskie redak-  
tor; BUTYLKIN, A.G., tekhnicheskiy redaktor

[Equipment and experience in welding under gas pressure] Oborudovanie  
i opyt primeneniia gasepressovoi svarki. Moskva, Gos. nauchno-tekhnik.  
izd-vo mashinostroit. lit-ry, 1952. 114 p. [Microfilm] (MLRA 9:12)  
(Gas welding and cutting)

FAL'KEVICH, A. S. and Gann, M. B.

"Automatic Welding and Rapid Erection of Spherical Tanks" (Avto. Delo, 1952, 23, Mar.,<sup>3</sup> 19)

These tanks, for storing volatile inflammable oil products at 5--6 atmospheres pressure, are about 34 feet diameter, with a capacity of 21,200 cubic feet. They are made in 7/8-inch thick mild steel plate, resting on six steel feet in a concrete foundation. The shaped plates are automatically welded in manipulators, into units of four, which are used to assemble the spheres on site. Site welding is carried out manually; the entire process of fabrication and assembly is described in detail.

VI

PA 233747

USSR/Metallurgy - Welding, Processes

AUG 52

"Conditions for Appearance and Properties of the Ferrite Band in Pressure Welding," A. S. Fal'kevich, Engr., NIIstroymeft' [Sci Res Inst for Construction of Enterprises of the Gas and Petroleum Ind?]

"Avtogen Delo" No 8, pp 8-12

Presents data on study of structure and properties of pipe welds executed by gas and elec pres-  
sure welding methods with induction heating.  
Ferrite band along joining line is due to pref-  
erable crystn of ferrite, sep'd on cooling,  
233747

around inclusions on edges of metal. Band it-  
self does not impair weld properties: they are  
made worse by contamination of ferrite band with  
inclusions and dissolved oxygen. Suggests meas-  
ures for obtaining high mech properties of welds.  
Article illustrated by photomicrographs.

FAL'KEVICH, A. S.

233747

FAL'KEVICH, A.S., insh.; POLYAKOVA, R.B.

Investigating parameters of the gas pressure pipe welding  
process. Trudy VNIIStroinefti no.3:26-48 '52. (MIRA 12:2)  
(Gas welding and cutting) (Pipe, Steel--Welding)

FAL'KEVICH, A.S.

[Welded metal storage tanks for petroleum products] Sooruzhenie  
svarnykh metallicheskikh rezervuarov dlja khranenija nefte-  
produktov. Moskva, Gos. nauchno-tehn. izd-vo neftianoi i gorno-  
toplivnoi lit-ry, 1953. 445 p.  
(MLRA 7:6)  
(Tanks) (Petroleum--Storage)

1. FAL'KEVICH, A. S., Eng.; POLY AKOVA, R. B., Eng.; BAKHRAKH, L. R., Eng.
  2. USSR 600
  4. Oxyacetylene welding and cutting
  7. Examination of the technology of gas pressure welding of large diameter pipes,  
Avtorg. delo, 24, No. 1, 1953.
- 
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KISLYUK, F.I., doktor tekhnicheskikh nauk; MAZEL', A.T. kandidat tekhnicheskikh nauk; FAL'KEVICH, A.S. inzhener; ANUCHKIN, M.S., kandidat tekhnicheskikh nauk; LIVSHITS, L.S: kandidat tekhnicheskikh nauk; BEYVEL'D, I.Ye., inzhener; BAKHRAKH, L.P., inzhener; POLYAKOVA, P.B., inzhener.

Welding with electrode cluster. Section of the All-Union Scientific Engineering Technological Association of Welders in the All-Union Scientific Research Institute for Petroleum Industry Construction. Avtob. delo 24 no.6:30 Je '53.  
(MLRA 6:5)  
(Electric welding)

FALKOVICH, A.S.

3

(2)  
✓ 12019 Automatic Welding and Rapid Erection of Spherical Pressure Vessels in Russia. A. S. Falkovich and M. B. Gann. Welding and Metal Fabrication, v. 22, May 1984, p. 178-181. (Translated from *Autogennoe Delo*, Moscow, v. 23, no. 8.) Used on storage tanks for petroleum products. Photographs, diagrams, tables.

FAL'KEVICH, A. S.

AID - P-163

Subject : USSR/Engineering

Card : 1/1

Author : Fal'kevich, A. S.

Title : The Trend of Further Perfection of the Welding Methods  
for Main and Oil Fields Pipe Lines. (Part I)

Periodical : Neft. khoz., v. 32, #1, 53-57, Ja 1954

Abstract : Various pipe-welding methods of foreign and Soviet  
origin are outlined. Automatic electric welding of  
the lower portion of the pipe, as developed by  
A. A. Morozov, is described. (Part II will be in issue  
#2, 56-61, F 1954).

Institutions: Inst. of Electric Welding im. E. O. Paton; All-Union  
Scientific Research Inst. of the Oil Development  
(V.N.I.I.S.N.).

Submitted : No date

FAL'KEVICH, A. S.

AID - P-196

Subject : USSR/Engineering  
Card : 1/1  
Author : Fal'kevich, A. S.  
Title : Trend of Further Perfection of Welding Methods for  
Main and Oil Field Pipe Lines. (Part II)  
Periodical : Neft. khoz., v. 32, #2, 56-61, F 1954  
Abstract : In description of the pipe-welding methods special  
attention is given to: (a) gas welding and pressing,  
(b) electro-induction welding with high frequency  
current and (c) butt-welding with overflow. All methods  
are evaluated in respect to economy and efficiency.  
1 drawing, 1 table, and 8 Russian references.  
Institution : All-Union Scientific Research Inst. of Petroleum  
Development  
Submitted : No date

FAL'KEVICH, A.S.

AID P - 1141

Subject : USSR/Engineering

Card 1/2 Pub. 78 - 19/25

Authors : Ignatchenko, Ye. A. and Fal'kevich, A. S.

Title : Further improvement of construction methods for oil  
storage metal tanks

Periodical : Neft. khoz., v. 32, #11, 71-79, N 1954

Abstract : The author outlines various improvements introduced in  
the construction of metal storage tanks. The improve-  
ments include: (1) prefabricated tanks in sheet-rolls,  
(2) special welding methods with ammonia and pheno-  
phthalein, (3) automatic seam welding, (4) the use of  
various improved arrangements for hoisting and supporting  
of the wall sheets and (5) design, bending and assembling  
of double curvature leaves of "Horton-spheroidal" tanks  
(drop-shaped). Five drawings and 2 tables.

AID P - 1141

Neft. khoz., v. 32, #11, 71-79, N 1954

card 2/2 Pub. 78 - 19/25

Institutions: All-Union Scientific Research Institute for Petroleum  
Industry (VNII-Stroyneft), Central Scientific Research  
Institute on Technology of Machine Building (TsNIITMASH)

Submitted : No date

FAL'KEVICH, Aleksandr Semenovich; ANUCHKIN, Mikhail Pavlovich; YERSHOV,  
P.R., redaktor: TROFIMOV, A.V., tekhnicheskiy redaktor.

[Stability and maintenance of welded reservoirs and pipes]  
Prechnost' i remont starnykh rezervuarev i truboprovodov. Moskva,  
Gos. nauchno-tekhn. izd-vo neftianoi i gorn-toplivnoi lit-ry.  
1955. 147 p. (MLRA 9:1)  
(Water pipes) (Reservoirs) (Welding)

PAL'KEVICH, A.S., inzhener

Welding in the petroleum industry's construction work. Svar. proizv.  
no.1:23-27 Ja '55. (MIRA 8:9).

1. VNIISstroyneft'. (Welding) (Petroleum industry)

U S S R .

10986\* Increasing the Strength of Welded Cylindrical Reservoirs. *Usilenie protchnosti svarnykh viliadriecheskikh reservofov.* (Russian.) A. S. Fal'kevich. *Neftegaznoe Khozatstvo*, v. 3, no. 3, May 1958, p. 69-77.

Types of cracking and failures; types of welding recommended for new and in-service tanks. Diagrams, graph, photograph, table.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412410012-6

FOLKEVICH, A.S.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412410012-6"

PAL'KEVICH, A.S., kandidat tekhnicheskikh nauk; LIVSHITS, L.S., kandidat tekhnicheskikh nauk; PANICH, S.I.

Methods of assessing the susceptibility of steel to brittle fracture in welded storage tanks. Svar.preizv.no.12:8-10 D '55. (MLRA 9:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut strelitel'mey nefti.  
(Tanks--Welding) (Steel--Brittleness)

AID P - 2697

Subject : USSR/Engineering  
Card 1/1 Pub. 78 - 15/21  
Author : Fal'kevich, A. S.  
Title : Strengthening welded cylindrical reservoirs  
Periodical : Neft. khoz., 33, 5, 69-77, My 1955  
Abstract : Welded structures become more rigid than the riveted and, therefore, are subjected to greater inner stresses. Petroleum reservoirs are especially vulnerable to very low outside temperatures when the large temperature differences as compared with the inside create cracks in the welded joints. The author suggests the use of more appropriate high quality metals, better welding, hinged connections with input and output pipes, elimination of vibrations, etc.  
Institution : None  
Submitted : No date

FAL'KEVICH, A. S.

"New Progress in Welding Petroleum Reservoirs and Pipelines." page 126,  
of the book, Petroleum Bases and Pipe Lines, Gostoptekhizdat, 1956.

FAL'KEVICH, A.S., kandidat tekhnicheskikh nauk.

Progress and new tasks in the field of pipeline and tank welding.  
Strel.prod.neft.prom. 1 no.1:19-23 Mr '56. (MLRA 9:9)  
(Welding) (Petroleum--Storage) (Petroleum--Pipelines)

Subject : USSR/Engineering-Welding AID P - 4527  
Card 1/1 Pub.107-a - 13/13  
Author : Fal'kevich, A. S.  
Title : Foreign Practice of Welding Oil Tanks, Oil and Gas Pipelines.  
Periodical : Svar. proizv., 2, 29-31, F 1956  
Abstract : Review of the latest development in welding technique, mainly the quality of joints in tanks and pipelines, their inspection by X-rays, Gamma-rays, and by magnetic powders and supersonic methods. The author makes references to 13 articles in the non-Russian press (mostly American). Five photos and 1 drawing.  
Institution : All-Union Scientific-Research Institute for Building of Petroleum Enterprises (VNIISstroyneft').  
Submitted : No date

FAL'KEVICH, A.S.; POLYAKOVA, R.B.; BAKHRAKH, L.P.

Investigating the technology of gas pressure welding of large  
diameter pipes. Trudy VNII Stroinefti no. 4:46-62 '56.

(Pipe, Steel--Welding)

(MIRA 10:1)

FAL'KEVICH, A.S., kandidat tekhnicheskikh nauk.

Defects in welded cylindrical tanks and measures to increase the safety of their use. Trudy VNIISTRONEFT' no.7:39-52 '56.

(Tanks--Welding) (Petroleum--Storage)

(MLRA 9:11)

FAL'KEVICH, A.S., kandidat tekhnicheskikh nauk; KISLYUK, F.I., doktor tekhnicheskikh nauk; LUBOV, V.M., inzhener; USENKO, Yu.V., inzhener.

Developing and investigating a magnetographic method used for the quality control of welded joints. Trudy VNIISTROINeft' no.7:75-85 '56.

(MLR 9:11)

(Welding--Quality control)

AID P - 5272

Subject : USSR/Engineering

Card 1/2 Pub. 107-a - 8/18

Authors : Fal'kevich, A. S., Kand. of Tech. Sci., and I. E. Neyrel'd, Eng. (All-Union Scientific Research Institute for Building of Petroleum Enterprises - VNIISstroyneft')

Title : Comparative effectiveness of quality inspection of welded joints by x-rays and certain radioactive isotopes.

Periodical : Svar. proizv., 9, 23-24, S 1956

Abstract : The authors briefly describe results obtained in inspection of welded joints of steel 3 to 15mm thick by Gamma-Rays and certain radioactive isotopes, such as the Co-60, Cs-134, Cs-137, Ir-192 and Eu-154. Several practical suggestions are made which may be valuable in gas and petroleum installation inspections.

FAL'KEVICH, A.S.

New method of controlling welds of petroleum and gas storage tanks  
and pipelines. Neft.khoz. 34 no.1:64-71 Ja '56. (MLRA 9:5)  
(Tanks--Welding) (Pipelines--Welding)

FIAL'KOVICH, A.S.

DUDA, R.I., inzhener (Moskva); LIVSHITS, L.S., kandidat tekhnicheskikh nauk  
(Moskva); TARAN, V.D., doktor tekhnicheskikh nauk (Moskva); FIAL'KOVICH,  
A.S., kandidat tekhnicheskikh nauk (Moskva).

Investigating sheet steel for reservoirs. Stroi. pred.neft.prom.  
2 no.1:13-16 Ja '57. (MLRA 10:3)  
(Petroleum--Storage) (Plates, Iron and steel)